Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/08/2021 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124483	-1	2.82	124520	2.85
Blue	F	SSC	125000	123806	-1	4.00	124553	3.95
Blue	E	FITC	14203	13623	-5	3.14	296	15.86
Blue	D	PE	25703	25072	-3	2.89	542	10.56
Blue	B	PerCP-Cy5-5	42104	40521	-4	3.54	908	14.65
Blue	A	PE-Cy7	34646	34139	-2	4.76	487	29.82
Red	C	APC	49824	49505	-1	3.15	1511	11.32
Red	A	APC-Cy7	39773	39198	-2	3.22	728	11.98
Violet	B	V450	7447	7153	-4	3.90	407	12.18
Violet	A	V500	31193	30166	-4	3.64	690	9.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21746	3.06	549	-7	N/A	N/A	Pass
Blue	F	SSC	54828	3.39	514	2	N/A	N/A	Pass
Blue	E	FITC	55	51.89	484	-2	0.0349	10	Pass
Blue	D	PE	107	38.02	486	1	0.4046	281	Pass
Blue	B	PerCP-Cy5-5	173	35.30	577	0	0.0192	27	Pass
Blue	A	PE-Cy7	111	64.06	622	2	0.0211	0	Pass
Red	C	APC	355	23.07	568	1	0.0285	54	Pass
Red	A	APC-Cy7	202	24.14	544	0	0.0059	237	Pass
Violet	B	V450	89	39.10	451	2	0.0484	1368	Pass
Violet	A	V500	121	27.72	469	2	0.0276	615	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/08/2021 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.13	-31.99	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.38
Red	21.75	15.99 - 23.99	N/A	N/A	30.31	30.60	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9948

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments